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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A nitrogen-containing heterocyclic derivative represented by the general formula:

$$X_{||}^{2} \stackrel{X_{||}^{3}}{\times} X^{4}$$

$$X^{1} \stackrel{R}{\longrightarrow} R$$

$$HO \stackrel{O}{\longrightarrow} OH$$

[whereinwherein X1 represents N or CR1;

 X^2 represents N or CR^2 ;

X³ represents N or CR³;

X⁴ represents N or CR⁴;

and with the proviso that one or two of X^1 , X^2 , X^3 and X^4 represent N;

R represents a C₃₋₈ cycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (A), a C₆₋₁₀ aryl group which may have the same or different 1 to 3 groups selected from the following substituent group (B), a C₂₋₉ heterocycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (A), or a C₁₋₉ heteroaryl group which may have the same or different 1 to 3 groups selected from the following substituent group (B);

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R¹ to R⁴ are the same or different, independently represents a hydrogen atom or a group selected from the following substituent group (D);

substituent group (A) consists of a halogen atom, a nitro group, a cyano group, an oxo group, -

 G^{1} , $-OG^{2}$, $-SG^{2}$, $-N(G^{2})_{2}$, $-C(=O)G^{2}$, $-C(=O)OG^{2}$, $-C(=O)N(G^{2})_{2}$, $-S(=O)_{2}G^{2}$, $-S(=O)_{2}OG^{2}$, -S(=

 $S(=O)_2N(G^2)_2, -S(=O)G^1, -OC(=O)G^1, -OC(=O)N(G^2)_2, -NHC(=O)G^2, -OS(=O)_2G^1, -OS(=O)_2G^2, -OS(=O)_2G^2,$

 $NHS(=O)_2G^1$ and $-C(=O)NHS(=O)_2G^1$;

substituent group(B) consists of a halogen atom, a nitro group, a cyano group, -G1, -OG2, -SG2, -

 $N(G^2)_2$, $-G^3OG^4$, $-G^3N(G^4)_2$, $-C(=O)G^2$, $-C(=O)OG^2$, $-C(=O)N(G^2)_2$, $-S(=O)_2G^2$, $-S(=O)_2OG^2$, $-S(=O)_2$

 $S(=O)_2N(G^2)_2, -S(=O)G^1, -OC(=O)G^1, -OC(=O)N(G^2)_2, -NHC(=O)G^2, -OS(=O)_2G^1, -OS(=O)_2G^2, -OS(=O)_2G^2,$

 $NHS(=O)_2G^1$ and $-C(=O)NHS(=O)_2G^1$

(inin the substituent group (A) and/or (B), G¹ represents a C₁-6 alkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂-6 alkenyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂-6 alkynyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₃-8 cycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₃-10 aryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), a C₂-9 heterocycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₁-9 heteroaryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D);

G² represents a hydrogen atom, a C₁-6 alkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂-6 alkenyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂-6 alkenyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂-6 alkenyl group which may have

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alkynyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C_{3-8} cycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C_{6-10} aryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), a C_{2-9} heterocycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), a C_{1-9} heteroaryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), and with the proviso that G^2 are the same or different when there are more than one G^2 in the substituents;

 G^3 represents a C_{1-6} alkyl group;

 G^4 represents a C_{1-6} alkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), and with the proviso that G^4 are the same or different when there are more than one G^4 in the substituents;

substituent group (C) consists of a halogen atom, a nitro group, a cyano group, an oxo group, - G^5 , - OG^6 , - SG^6 , - $N(G^6)_2$, - $C(=O)G^6$, - $C(=O)OG^6$, - $C(=O)N(G^6)_2$, - $S(=O)_2G^6$, - $S(=O)_2OG^6$, - $S(=O)_2N(G^6)_2$, - $S(=O)G^5$, - $OC(=O)G^5$, - $OC(=O)N(G^6)_2$, - $OC(=O)G^6$, - $OS(=O)_2G^5$, - $OC(=O)NHS(=O)_2G^5$;

substituent group (D) consists of a halogen atom, a nitro group, a cyano group, $-G^5$, $-OG^6$, $-SG^6$, $-N(G^6)_2$, $-C(=O)G^6$, $-C(=O)N(G^6)_2$, $-S(=O)_2G^6$, $-S(=O)_2OG^6$, $-S(=O)_2N(G^6)_2$, $-S(=O)_2G^5$, $-OC(=O)G^5$, $-OC(=O)N(G^6)_2$, $-NHC(=O)G^6$, $-OS(=O)_2G^5$, $-NHS(=O)_2G^5$ and $-C(=O)NHS(=O)_2G^5$

(inin the substituent group (C) and/or (D), G^5 represents a C_{1-6} alkyl group, a HO- C_{1-6} alkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{3-8} cycloalkyl group, a C_{6-10} aryl group, a C_{2-9} heterocycloalkyl group or a C_{1-9} heteroaryl group;

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 G^6 represents a hydrogen atom, a C_{1-6} alkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{3-8} cycloalkyl group, a C_{6-10} aryl group, a C_{2-9} heterocycloalkyl group or a C_{1-9} heteroaryl group, and with the proviso that G^6 are the same or different when there are more than one G^6 in the substituents))substituents

and with the proviso that when X^1 and X^3 independently represent N or CH;

 X^2 represents N or CR^2 (with the proviso that when, wherein R^2 represents a hydrogen atom, a halogen atom, a C_{1-6} alkyl group, a C_{3-8} cycloalkyl group, -O- C_{1-6} alkyl, an amino group, -NH- C_{2-7} acyl, -NH- C_{1-6} alkyl or -N(C_{1-6} alkyl)₂-N(C_{1-6} alkyl)₂; and

when X^4 represents N or CR^4 (with the proviso that when wherein R^4 represents a hydrogen atom or a C_{1-6} alkyl group) C_{1-6} alkyl group, R represents the above-defined group except for the following substituent:

(whereinwherein Z represents a hydrogen atom, a halogen atom, a C_{1-6} alkyl group which may have a substituent selected from the following substituent group (α) , $-O-C_{1-6}$ alkyl which may have a substituent selected from the following substituent group (β) , $-S-C_{1-6}$ alkyl which may have a substituent selected from the following substituent group (β) or a C_{3-8} cycloalkyl group; substituent group (α) consists of a halogen atom, a hydroxy group and $-O-C_{1-6}$ alkyl; and substituent group (β) consists of a hydroxy group and $-O-C_{1-6}$ alkyl, or a pharmaceutically acceptable salt thereof, or a prodrug thereof.

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2. (currently amended): A nitrogen-containing heterocyclic derivative as claimed in claim 1 wherein R represents a phenyl group which may have the same or different 1 to 3 groups selected from the following substituent group (B), or a pharmaceutically acceptable salt thereof, or a prodrug thereof

substituent group (B) consists of a halogen atom, a nitro group, a cyano group, $-G^1$, $-OG^2$, $-SG^2$, $-N(G^2)_2$, $-G^3OG^4$, $-G^3N(G^4)_2$, $-C(=O)G^2$, $-C(=O)OG^2$, $-C(=O)N(G^2)_2$, $-S(=O)_2G^2$, $-S(=O)_2OG^2$, $-S(=O)_2N(G^2)_2$, $-S(=O)G^1$, $-OC(=O)G^1$, $-OC(=O)N(G^2)_2$, $-NHC(=O)G^2$, $-OS(=O)_2G^1$, $-NHS(=O)_2G^1$ and $-C(=O)NHS(=O)_2G^1$

(inin the substituent group (B), G¹ represents a C₁₋₆ alkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C2-6 alkenyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂₋₆ alkynyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₃₋₈ cycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C_{6-10} aryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), a C2-9 heterocycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₁₋₉ heteroaryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D); G² represents a hydrogen atom, a C₁₋₆ alkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C2-6 alkenyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₂₋₆ alkynyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), a C₃₋₈ cycloalkyl group which may have the same or different 1 to 3

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groups selected from the following substituent group (C), a C_{6-10} aryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), a C_{2-9} heterocycloalkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), a C_{1-9} heteroaryl group which may have the same or different 1 to 3 groups selected from the following substituent group (D), and with the proviso that G^2 are the same or different when there are more than one G^2 in the substituents;

 G^3 represents a $C_{1\text{--}6}$ alkyl group;

 G^4 represents a C_{1-6} alkyl group which may have the same or different 1 to 3 groups selected from the following substituent group (C), and with the proviso that G^4 are the same or different when there are more than one G^4 in the substituents;

substituent group (C) consists of a halogen atom, a nitro group, a cyano group, an oxo group, -

 $G^{5}, -OG^{6}, -SG^{6}, -N(G^{6})_{2}, -C(=O)G^{6}, -C(=O)OG^{6}, -C(=O)N(G^{6})_{2}, -S(=O)_{2}G^{6}, -S(=O)_{2}OG^{6}, -S(=O)_{2}OG^{$

 $S(=O)_2N(G^6)_2, -S(=O)G^5, -OC(=O)G^5, -OC(=O)N(G^6)_2, -NHC(=O)G^6, -OS(=O)_2G^5, -OS(=O)_2G^5,$

 $NHS(=O)_2G^5$ and $-C(=O)NHS(=O)_2G^5$; and

substituent group (D) consists of a halogen atom, a nitro group, a cyano group, -G⁵, -OG⁶, -SG⁶,

 $-N(G^6)_2, -C(=O)G^6, -C(=O)OG^6, -C(=O)N(G^6)_2, -S(=O)_2G^6, -S(=O)_2OG^6, -S(=O)_2N(G^6)_2, -S(=O)_2OG^6, -S($

 $S(=O)G^5, -OC(=O)G^5, -OC(=O)N(G^6)_2, -NHC(=O)G^6, -OS(=O)_2G^5, -NHS(=O)_2G^5 \text{ and } -OC(=O)G^6, -OC(=O)G^6,$

 $C(=O)NHS(=O)_2G^5$

(in-in-the substituent group (C) and/or (D), G^5 represents a C_{1-6} alkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{3-8} cycloalkyl group, a C_{6-10} aryl group, a C_{2-9} heterocycloalkyl group or a C_{1-9} heteroaryl group; and

 G^6 represents a hydrogen atom, a C_{1-6} alkyl group, a C_{2-6} alkenyl group, a C_{2-6} alkynyl group, a C_{3-8} cycloalkyl group, a C_{6-10} aryl group, a C_{2-9} heterocycloalkyl group or a C_{1-9} heteroaryl group,

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and with the proviso that G^6 are the same or different when there are more than one G^6 in the substituents))substituents.

- 3. (original): A pharmaceutical composition comprising as an active ingredient a nitrogen-containing heterocyclic derivative as claimed in claim 1 or 2, or a pharmaceutically acceptable salt thereof, or a prodrug thereof.
- 4. (original): A pharmaceutical composition as claimed in claim 3 wherein the composition is a human SGLT2 inhibitor.
 - 5-9 (canceled).
- 10. (previously presented): A method for the treatment of a disease associated with hyperglycemia, which comprises administering an effective amount of a nitrogen-containing heterocyclic derivative as claimed in claim 1 or 2, or a pharmaceutically acceptable salt thereof, or a prodrug thereof.
 - 11 (canceled).
- 12. (currently amended): A pharmaceutical combination which comprises (A) a nitrogen-containing heterocyclic derivative as claimed in claim 1 or 2, or a pharmaceutically acceptable salt thereof, or a prodrug thereof, and (B) at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer, insulin or an insulin analogue, a glucagon receptor antagonist, an

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insulin receptor kinase stimulant, a tripeptidyl peptidase II inhibitor, a dipeptidyl peptidase IV inhibitor, a protein tyrosine phosphatase-1B inhibitor, a glycogen phosphorylase inhibitor, a glucose-6-phosphatase inhibitor, a fructose-bisphosphatase inhibitor, a pyruvate dehydrogenase inhibitor, a hepatic gluconeogenesis inhibitor, D-chiroinsitol, a glycogen synthase kinase-3 inhibitor, glucagon-like peptide-1, a glucagon-like peptide-1 analogue, a glucagon-like peptide-1 agonist, amylin, an amylin analogue, an amylin agonist, an aldose reductase inhibitor, an advanced glycation endproducts end products formation inhibitor, a protein kinase C inhibitor, a γ -aminobutyric acid receptor antagonist, a sodium channel antagonist, a transcript factor NF- κ B inhibitor, a lipid peroxidase inhibitor, an N-acetylated-α-linked-acid-dipeptidase inhibitor, insulin-like growth factor-I, platelet-derived growth factor, a platelet-derived growth factor analogue, epidermal growth factor, nerve growth factor, a carnitine derivative, uridine, 5hydroxy-1-methylhydantoin, EGB-761, bimoclomol, sulodexide, Y-128, a hydroxymethylglutaryl coenzyme A reductase inhibitor, a fibric acid derivative, a β_3 -adrenoceptor agonist, an acyl-coenzyme A: cholesterol acyltransferase inhibitor, probcol, a thyroid hormone receptor agonist, a cholesterol absorption inhibitor, a lipase inhibitor, a microsomal triglyceride transfer protein inhibitor, a lipoxygenase inhibitor, a carnitine palmitoyl-transferase inhibitor, a squalene synthase inhibitor, a low-density lipoprotein receptor enhancer, a nicotinic acid derivative, a bile acid sequestrant, a sodium/bile acid cotransporter inhibitor, a cholesterol ester transfer protein inhibitor, an appetite suppressant, an angiotensin-converting enzyme inhibitor, a neutral endopeptidase inhibitor, an angiotensin II receptor antagonist, an endothelin-converting enzyme inhibitor, an endothelin receptor antagonist, a diuretic agent, a calcium antagonist, a vasodilating antihypertensive agent, a sympathetic blocking agent, a centrally acting antihypertensive agent,

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an α_2 -adrenoceptor agonist, an antiplatelets agent, a uric acid synthesis inhibitor, a uricosuric agent and a urinary alkalinizer.

- 13. (previously presented): A pharmaceutical combination as claimed in claim 12 for the treatment of a disease associated with hyperglycemia.
- 14. (original): A pharmaceutical combination as claimed in claim 13 wherein a component (B) is at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer, insulin or an insulin analogue, a glucagon receptor antagonist, an insulin receptor kinase stimulant, a tripeptidyl peptidase II inhibitor, a dipeptidyl peptidase IV inhibitor, a protein tyrosine phosphatase-1B inhibitor, a glycogen phosphorylase inhibitor, a glucose-6-phosphatase inhibitor, a fructose-bisphosphatase inhibitor, a pyruvate dehydrogenase inhibitor, a hepatic gluconeogenesis inhibitor, D-chiroinsitol, a glycogen synthase kinase-3 inhibitor, glucagon-like peptide-1, a glucagon-like peptide-1 analogue, a glucagon-like peptide-1 agonist, amylin, an amylin analogue, an amylin agonist and an appetite suppressant, and the disease associated with hyperglycemia is diabetes.
- 15. (original): A pharmaceutical combination as claimed in claim 14 wherein a component (B) is at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer, insulin or an insulin analogue, a glucagon receptor antagonist, an insulin receptor kinase stimulant, a tripeptidyl peptidase II inhibitor, a dipeptidyl peptidase IV inhibitor, a protein tyrosine

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phosphatase-1B inhibitor, a glycogen phosphorylase inhibitor, a glucose-6-phosphatase inhibitor, a fructose-bisphosphatase inhibitor, a pyruvate dehydrogenase inhibitor, a hepatic gluconeogenesis inhibitor, D-chiroinsitol, a glycogen synthase kinase-3 inhibitor, glucagon-like peptide-1, a glucagon-like peptide-1 analogue, a glucagon-like peptide-1 agonist, amylin, an amylin analogue and an amylin agonist.

- 16. (original): A pharmaceutical combination as claimed in claim 15 wherein a component (B) is at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer and insulin or an insulin analogue.
- wherein a component (B) is at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer, insulin or an insulin analogue, a glucagon receptor antagonist, an insulin receptor kinase stimulant, a tripeptidyl peptidase II inhibitor, a dipeptidyl peptidase IV inhibitor, a protein tyrosine phosphatase-1B inhibitor, a glycogen phosphorylase inhibitor, a glucose-6-phosphatase inhibitor, a fructose-bisphosphatase inhibitor, a pyruvate dehydrogenase inhibitor, a hepatic gluconeogenesis inhibitor, D-chiroinsitol, glycogen synthase kinase-3 inhibitors, glucagon-like peptide-1, a glucagon-like peptide-1 analogue, a glucagon-like peptide-1 agonist, amylin, an amylin analogue, an amylin agonist, an aldose reductase inhibitor, an advanced glycation endproducts end products formation inhibitor, a protein kinase C inhibitor, a lipid peroxidase antagonist, a sodium channel antagonist, a transcript factor NF-κB inhibitor, a lipid peroxidase

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inhibitor, an *N*-acetylated-α-linked-acid-dipeptidase inhibitor, insulin-like growth factor-I, platelet-derived growth factor, a platelet derived growth factor analogue, epidermal growth factor, nerve growth factor, a carnitine derivative, uridine, 5-hydroxy-1-methylhydantoin, EGB-761, bimoclomol, sulodexide, Y-128, an angiotensin-converting enzyme inhibitor, a neutral endopeptidase inhibitor, an angiotensin II receptor antagonist, an endothelin-converting enzyme inhibitor, an endothelin receptor antagonist and a diuretic agent, and the disease associated with hyperglycemia is diabetic complications.

- 18. (original): A pharmaceutical combination as claimed in claim 17 wherein a component (B) is at least one member selected from the group consisting of an aldose reductase inhibitor, an angiotensin-converting enzyme inhibitor, a neutral endopeptidase inhibitor and an angiotensin II receptor antagonist.
- 19. (original): A pharmaceutical combination as claimed in claim 13 wherein a component (B) is at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer, an insulin analogue, a glucagon receptor antagonist, an insulin receptor kinase stimulant, a tripeptidyl peptidase II inhibitor, a dipeptidyl peptidase IV inhibitor, a protein tyrosine phosphatase-1B inhibitor, a glycogen phosphorylase inhibitor, a glucose-6-phosphatase inhibitor, a fructose-bisphosphatase inhibitor, a pyruvate dehydrogenase inhibitor, a hepatic gluconeogenesis inhibitor, D-chiroinsitol, a glycogen synthase kinase-3 inhibitor, glucagon-like peptide-1, a glucagon-like peptide-1 analogue, a glucagon-like peptide-1 agonist, amylin, an amylin

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analogue, an amylin agonist, a β_3 -adrenoceptor agonist and an appetite suppressant, and the disease associated with hyperglycemia is obesity.

- 20. (original): A pharmaceutical combination as claimed in claim 19 wherein a component (B) is at least one member selected from the group consisting of a β_3 -adrenoceptor agonist and an appetite suppressant.
- 21. (original): A pharmaceutical combination as claimed in claim 20 wherein the appetite suppressant is a drug selected from the group consisting of a monoamine reuptake inhibitor, a serotonin releasing stimulant, a serotonin agonist, a noradrenaline reuptake inhibitor, a noradrenaline releasing stimulant, an α_1 -adrenoceptor agonist, a β_2 -adrenoceptor agonist, a dopamine agonist, a cannabinoid receptor antagonist, a γ_2 -aminobutyric acid receptor antagonist, a H₃-histamine antagonist, L-histidine, leptin, a leptin analogue, a leptin receptor agonist, a melanocortin receptor agonist, α_2 -melanocyte stimulating hormone, cocaine-and amphetamine-regulated transcript, mahogany protein, an enterostatin agonist, calcitonin, calcitonin-gene-related peptide, bombesin, a cholecystokinin agonist, corticotropin-releasing hormone, a corticotropin-releasing hormone analogue, a corticotropin-releasing hormone agonist, urocortin, somatostatin, a somatostatin analogue, a somatostatin receptor agonist, pituitary adenylate cyclase-activating peptide, brain-derived neurotrophic factor, ciliary neurotrophic factor, thyrotropin-releasing hormone, neurotensin, sauvagine, a neuropeptide Y antagonist, an opioid peptide antagonist, a galanin antagonist, a melanin-

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concentrating hormone receptor antagonist, an agouti-related protein inhibitor and an orexin receptor antagonist.

(currently amended): A method for the treatment of a disease associated with 22. hyperglycemia, which comprises administering an effective amount of (A) a nitrogen-containing heterocyclic derivative as claimed in claim 1 or 2, or a pharmaceutically acceptable salt thereof, or a prodrug thereof, in combination with (B) at least one member selected from the group consisting of an insulin sensitivity enhancer, a glucose absorption inhibitor, a biguanide, an insulin secretion enhancer, insulin or an insulin analogue, a glucagon receptor antagonist, an insulin receptor kinase stimulant, a tripeptidyl peptidase II inhibitor, a dipeptidyl peptidase IV inhibitor, a protein tyrosine phosphatase-1B inhibitor, a glycogen phosphorylase inhibitor, a glucose-6-phosphatase inhibitor, a fructose-bisphosphatase inhibitor, a pyruvate dehydrogenase inhibitor, a hepatic gluconeogenesis inhibitor, D-chiroinsitol, a glycogen synthase kinase-3 inhibitor, glucagon-like peptide-1, a glucagon-like peptide-1 analogue, a glucagon-like peptide-1 agonist, amylin, an amylin analogue, an amylin agonist, an aldose reductase inhibitor, an advanced glycation endproducts end products formation inhibitor, a protein kinase C inhibitor, a γ-aminobutyric acid receptor antagonist, a sodium channel antagonist, a transcript factor NF-κB inhibitor, a lipid peroxidase inhibitor, an N-acetylated- α -linked-acid-dipeptidase inhibitor, insulin-like growth factor-I, platelet-derived growth factor, a platelet-derived growth factor analogue, epidermal growth factor, nerve growth factor, a carnitine derivative, uridine, 5hydroxy-1-methylhydantoin, EGB-761, bimoclomol, sulodexide, Y-128, a hydroxymethylglutaryl coenzyme A reductase inhibitor, a fibric acid derivative, a β_3 -adrenoceptor agonist, an acyl-coenzyme A: cholesterol acyltransferase inhibitor, probcol, a thyroid hormone receptor

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agonist, a cholesterol absorption inhibitor, a lipase inhibitor, a microsomal triglyceride transfer protein inhibitor, a lipoxygenase inhibitor, a carnitine palmitoyl-transferase inhibitor, a squalene synthase inhibitor, a low-density lipoprotein receptor enhancer, a nicotinic acid derivative, a bile acid sequestrant, a sodium/bile acid cotransporter inhibitor, a cholesterol ester transfer protein inhibitor, an appetite suppressant, an angiotensin-converting enzyme inhibitor, a neutral endopeptidase inhibitor, an angiotensin II receptor antagonist, an endothelin-converting enzyme inhibitor, an endothelin receptor antagonist, a diuretic agent, a calcium antagonist, a vasodilating antihypertensive agent, a sympathetic blocking agent, a centrally acting antihypertensive agent, an α_2 -adrenoceptor agonist, an antiplatelets agent, a uric acid synthesis inhibitor, a uricosuric agent and a urinary alkalinizer.

- 23. (canceled).
- 24. (previously presented): A method for the treatment as claimed in claim 10, wherein the disease associated with hyperglycemia is diabetes.
- 25. (previously presented): A method for the treatment as claimed in claim 10, wherein the disease associated with hyperglycemia is diabetic complications.
- 26. (previously presented): A method for the treatment as claimed in claim 10, wherein the disease associated with hyperglycemia is obesity.

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27. (previously presented): A method for inhibiting a human SGLT2, which comprises administering an effective amount of a nitrogen-containing heterocyclic derivative as claimed in claim 1, or a pharmaceutically acceptable salt thereof, or a prodrug thereof.

28. (previously presented): A method for inhibiting a human SGLT2, which comprises administering an effective amount of a nitrogen-containing heterocyclic derivative as claimed in claim 2, or a pharmaceutically acceptable salt thereof, or a prodrug thereof.